

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102723\  
 Data File : VY016102.D  
 Acq On : 27 Oct 2023 13:59  
 Operator : SY/MD  
 Sample : 05073-01  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 30 06:08:15 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102623S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 27 04:12:29 2023  
 Response via : Initial Calibration

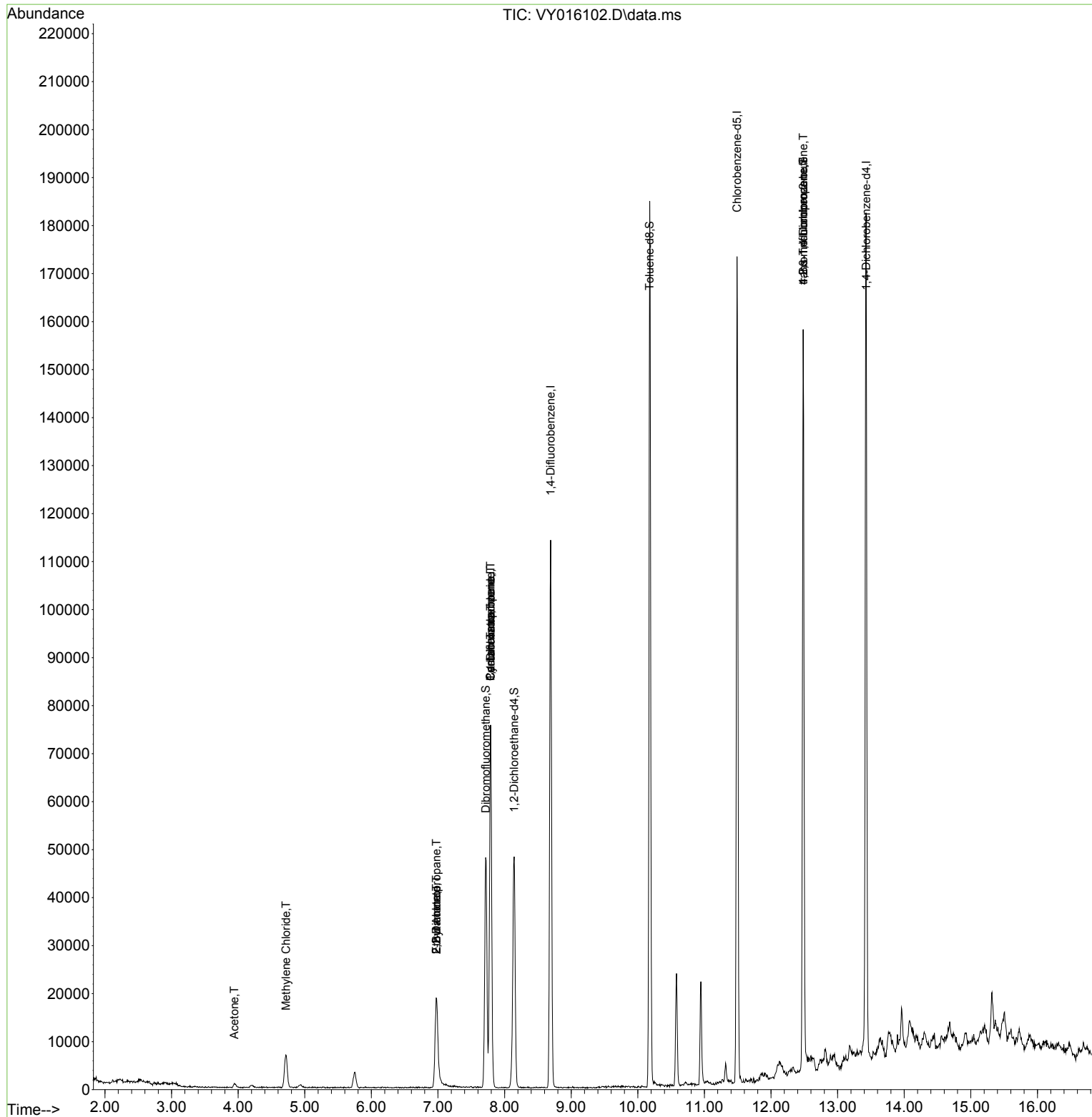
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 59056    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 101081   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 97340    | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 47054    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.142  | 65    | 37109    | 63.193    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 126.380% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 34587    | 54.201    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 108.400% |          |
| 50) Toluene-d8                | 10.179 | 98    | 121429   | 51.372    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 102.740% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 42554    | 52.483    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 104.960% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.948  | 59    | 1067     | Below Cal | #          | 89       |
| 16) Acetone                   | 3.942  | 43    | 1593     | 10.008    | ug/l       | 98       |
| 20) Methylene Chloride        | 4.716  | 84    | 5237     | 2.963     | ug/l       | 86       |
| 25) 2-Butanone                | 6.978  | 43    | 939      | 4.371     | ug/l #     | 49       |
| 26) 2,2-Dichloropropane       | 6.978  | 77    | 1440     | 1.491     | ug/l #     | 54       |
| 31) Cyclohexane               | 7.789  | 56    | 1181     | 1.278     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 4778     | 5.372     | ug/l #     | 48       |
| 37) Ethyl Acetate             | 6.978  | 43    | 939      | 2.060     | ug/l #     | 1        |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 5880     | 6.251     | ug/l #     | 17       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 21825    | 45.431    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 21825    | 98.726    | ug/l #     | 11       |
| -----                         |        |       |          |           |            |          |

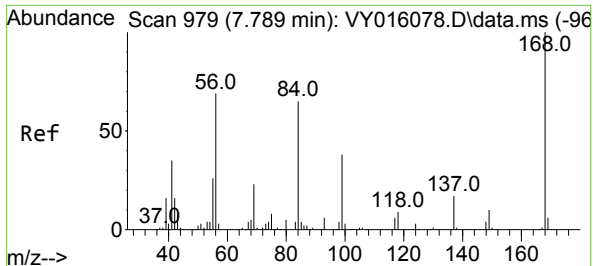
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 05073-01  
Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

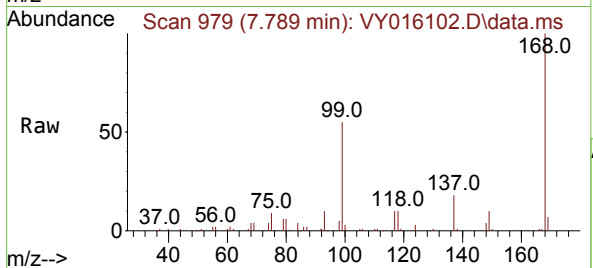
Quant Time: Oct 30 06:08:15 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102623S.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 27 04:12:29 2023  
Response via : Initial Calibration



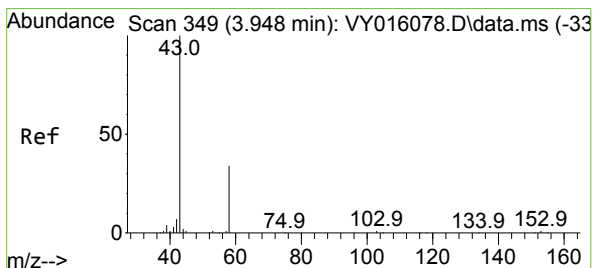
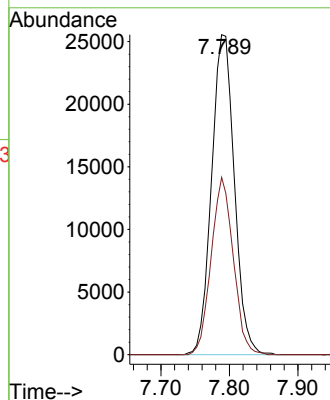
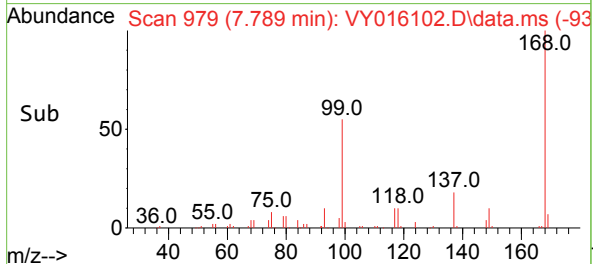


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY016102.D  
Acq: 27 Oct 2023 13:59

Instrument :  
MSVOA\_Y  
ClientSampleId :

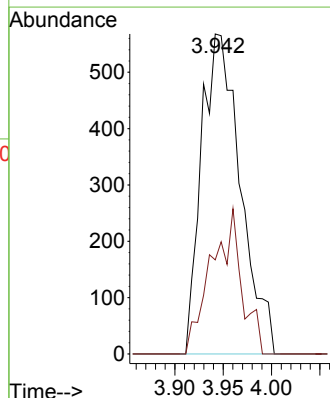
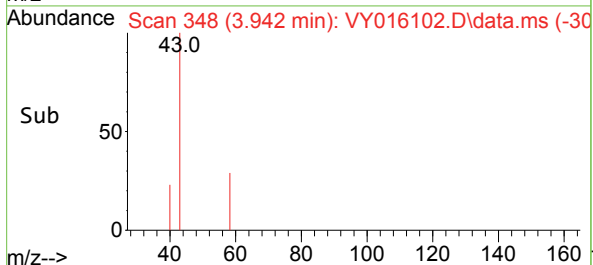
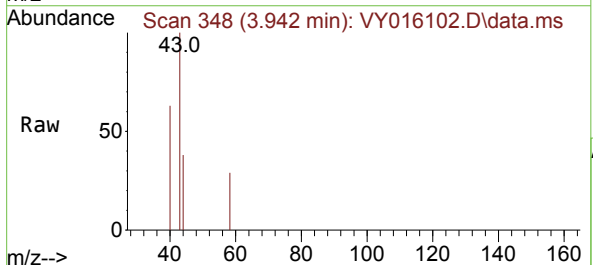


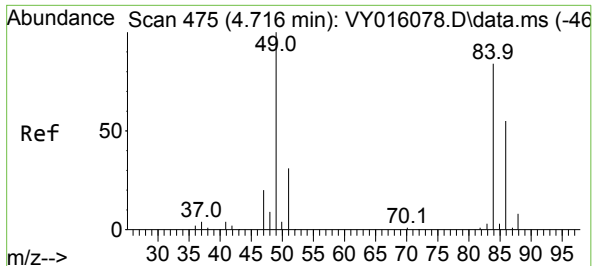
Tgt Ion:168 Resp: 59056  
Ion Ratio Lower Upper  
168 100  
99 55.4 43.4 65.0



#16  
Acetone  
Concen: 10.008 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.006 min  
Lab File: VY016102.D  
Acq: 27 Oct 2023 13:59

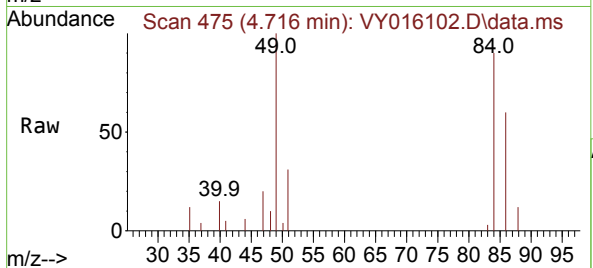
Tgt Ion: 43 Resp: 1593  
Ion Ratio Lower Upper  
43 100  
58 29.4 22.7 34.1





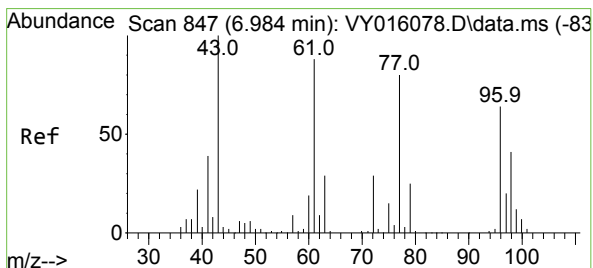
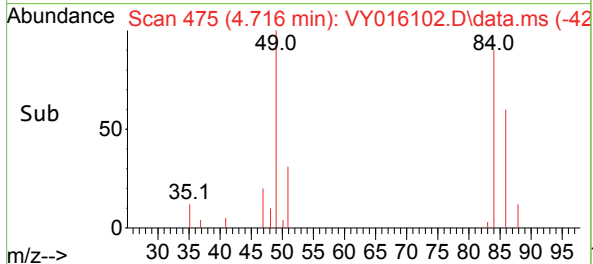
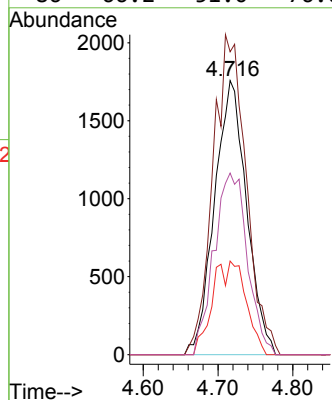
#20  
Methylene Chloride  
Concen: 2.963 ug/l  
RT: 4.716 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY016102.D  
Acq: 27 Oct 2023 13:59

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 84 Resp: 5237

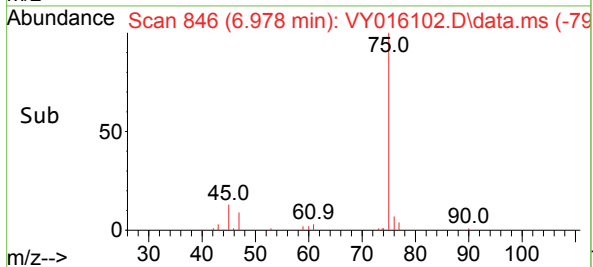
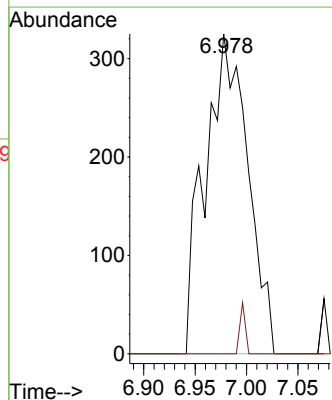
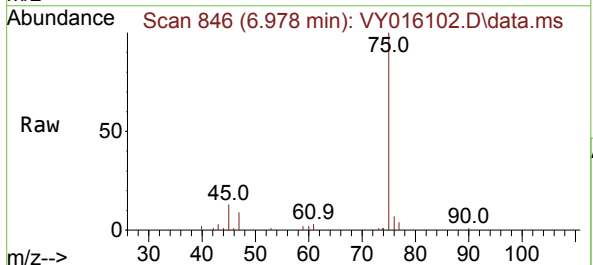
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 110.5 | 106.9 | 160.3 |
| 51  | 34.1  | 33.2  | 49.8  |
| 86  | 66.2  | 51.0  | 76.6  |

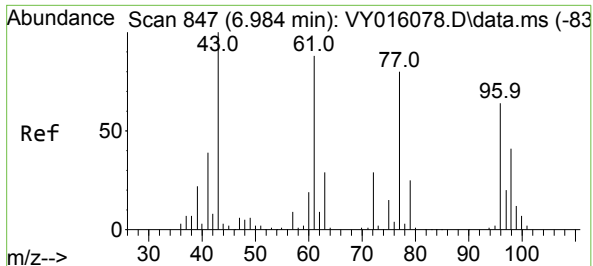


#25  
2-Butanone  
Concen: 4.371 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. -0.006 min  
Lab File: VY016102.D  
Acq: 27 Oct 2023 13:59

Tgt Ion: 43 Resp: 939

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 0.0   | 20.5  | 30.7# |





#26

2,2-Dichloropropane

Concen: 1.491 ug/l

RT: 6.978 min Scan# 847

Delta R.T. -0.006 min

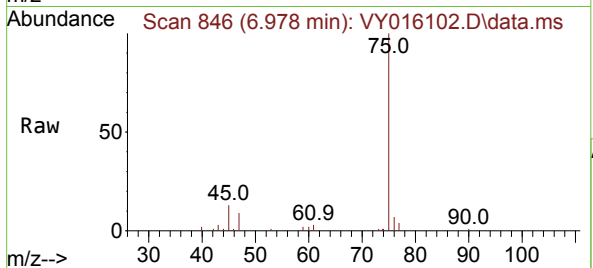
Lab File: VY016102.D

Acq: 27 Oct 2023 13:59

Instrument :

MSVOA\_Y

ClientSampleId :

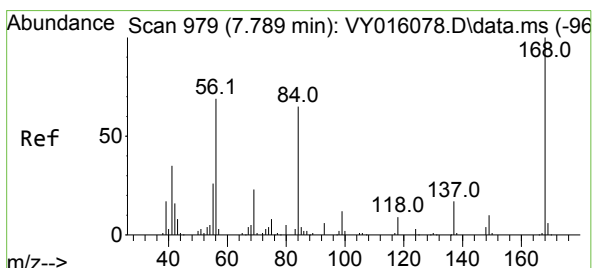
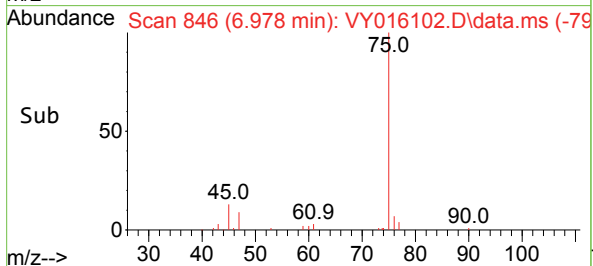
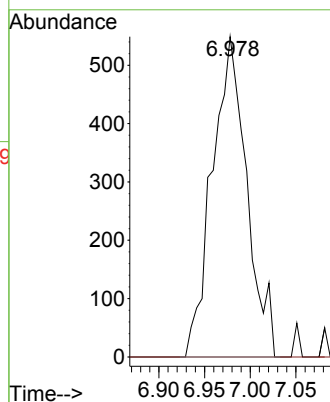


Tgt Ion: 77 Resp: 1440

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: 1.278 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY016102.D

Acq: 27 Oct 2023 13:59

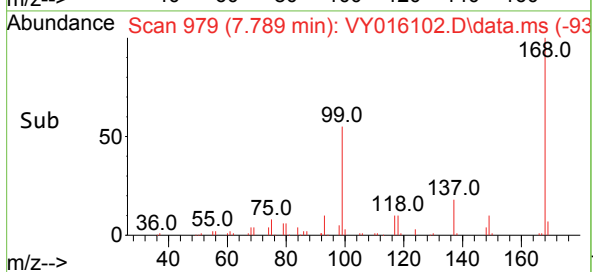
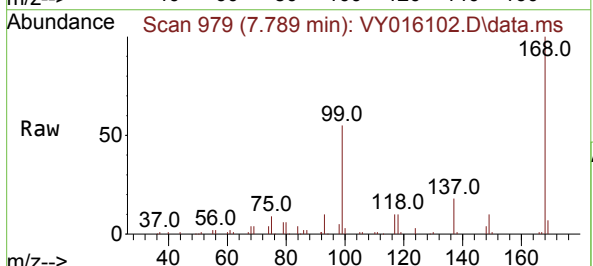
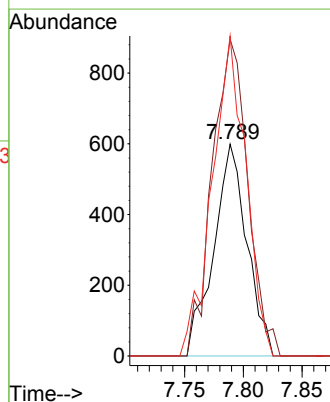
Tgt Ion: 56 Resp: 1181

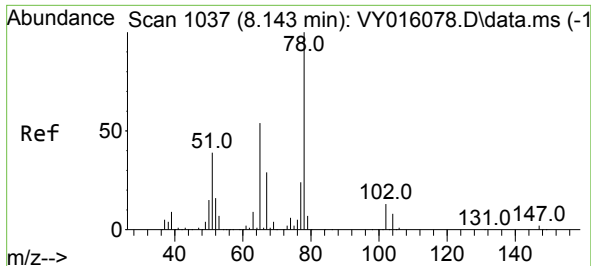
Ion Ratio Lower Upper

56 100

69 149.6 27.8 41.6#

84 160.8 66.4 99.6#

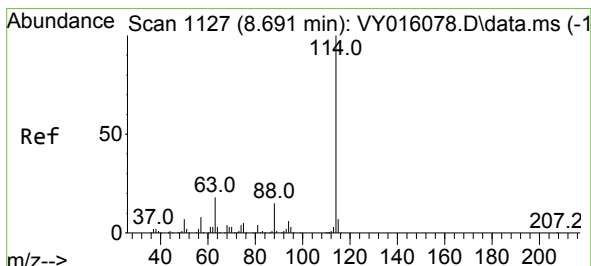
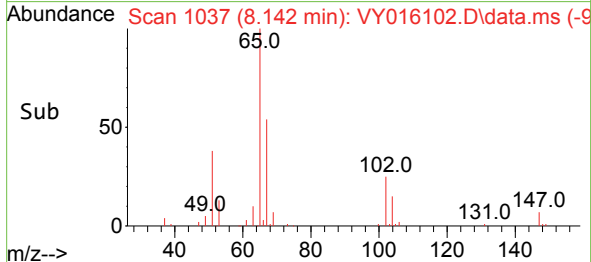
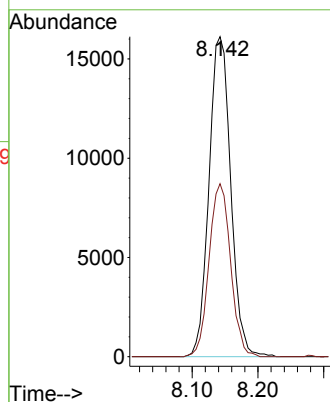
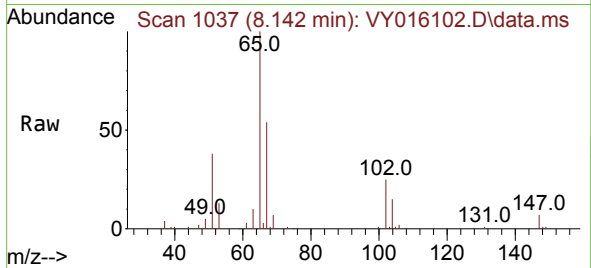




#33  
 1,2-Dichloroethane-d4  
 Concen: 63.193 ug/l  
 RT: 8.142 min Scan# 1037  
 Delta R.T. -0.000 min  
 Lab File: VY016102.D  
 Acq: 27 Oct 2023 13:59

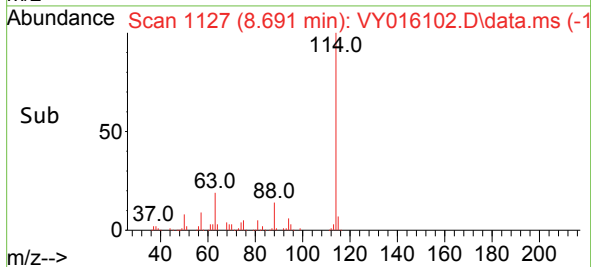
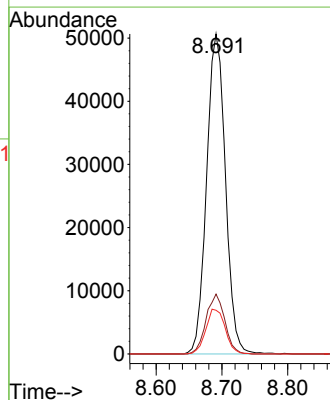
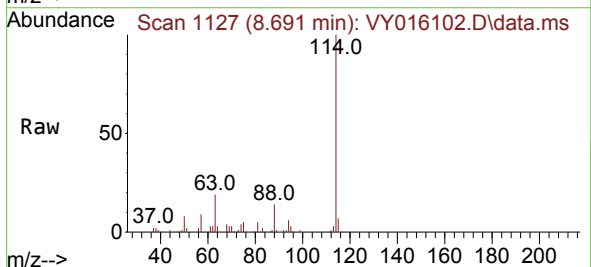
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

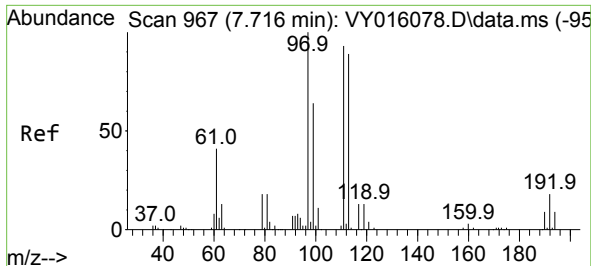
Tgt Ion: 65 Resp: 37109  
 Ion Ratio Lower Upper  
 65 100  
 67 53.5 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. -0.000 min  
 Lab File: VY016102.D  
 Acq: 27 Oct 2023 13:59

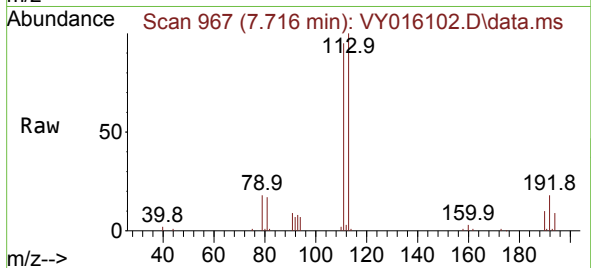
Tgt Ion: 114 Resp: 101081  
 Ion Ratio Lower Upper  
 114 100  
 63 18.7 0.0 42.4  
 88 13.6 0.0 30.6



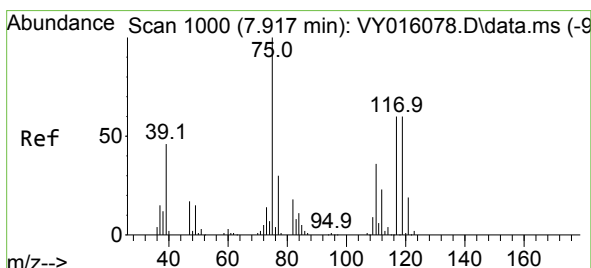
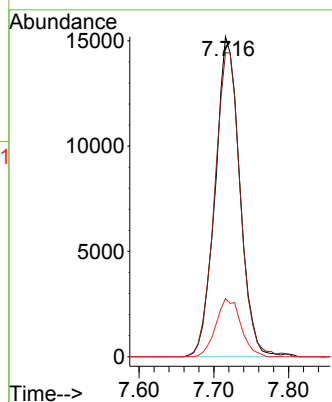
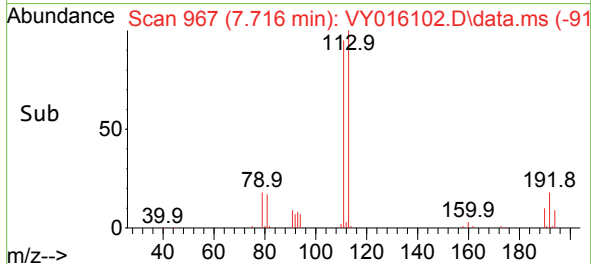


#35  
Dibromofluoromethane  
Concen: 54.201 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY016102.D  
Acq: 27 Oct 2023 13:59

Instrument :  
MSVOA\_Y  
ClientSampleId :

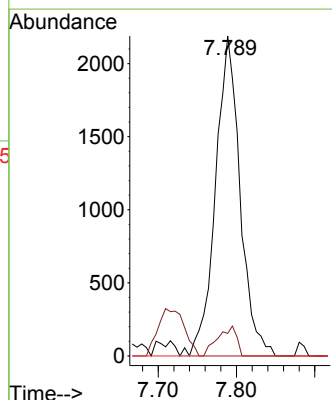
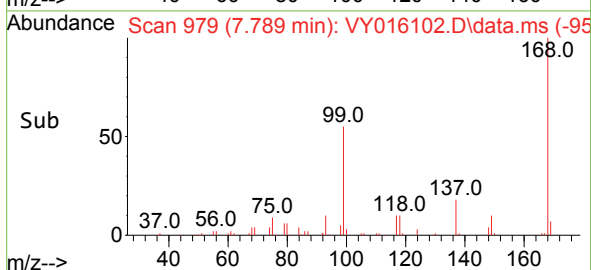
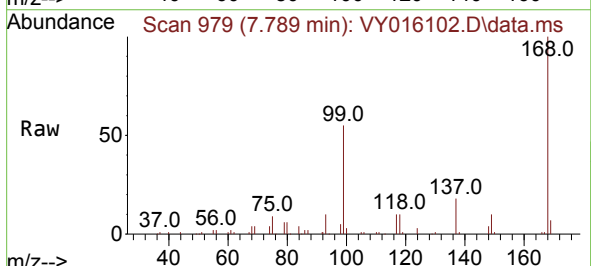


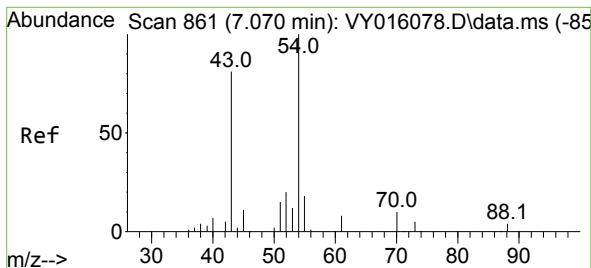
Tgt Ion:113 Resp: 34587  
Ion Ratio Lower Upper  
113 100  
111 99.9 81.3 121.9  
192 18.5 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 5.372 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.128 min  
Lab File: VY016102.D  
Acq: 27 Oct 2023 13:59

Tgt Ion: 75 Resp: 4778  
Ion Ratio Lower Upper  
75 100  
110 7.1 17.8 53.5#  
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.060 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.092 min

Lab File: VY016102.D

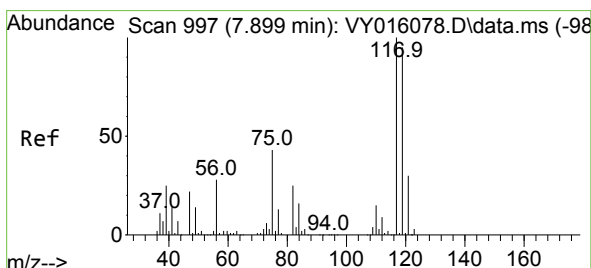
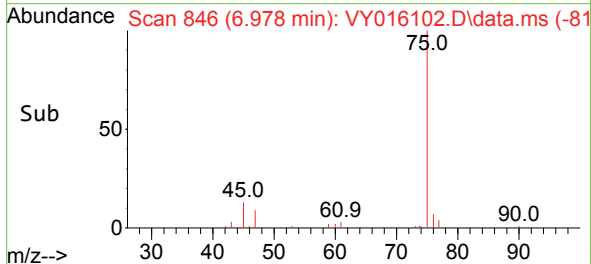
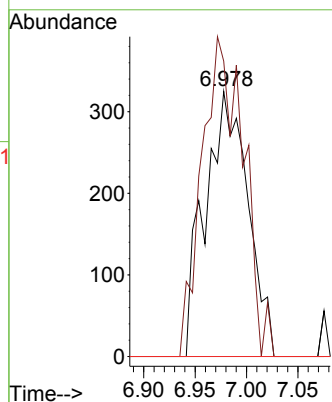
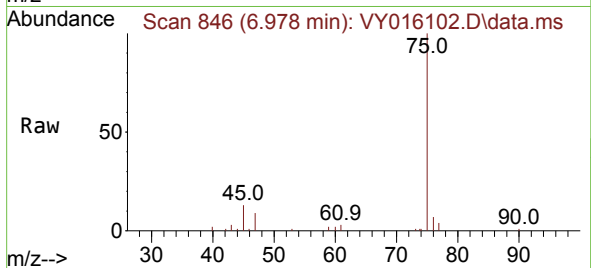
Acq: 27 Oct 2023 13:59

Instrument :

MSVOA\_Y

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 939   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 117.0 | 10.1  | 15.1# |
| 70       | 0.0   | 7.1   | 10.7# |



#38

Carbon Tetrachloride

Concen: 6.251 ug/l

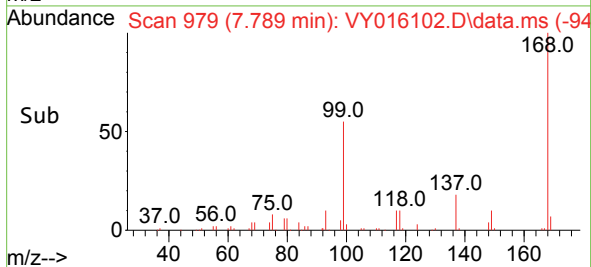
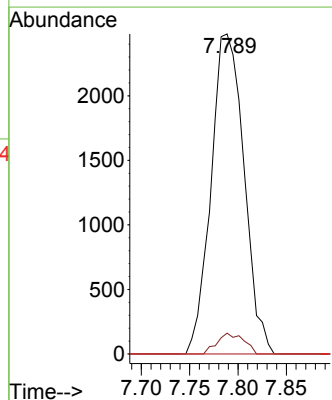
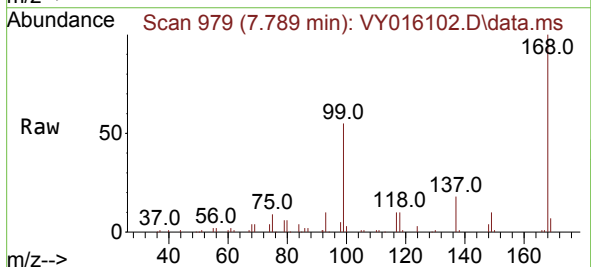
RT: 7.789 min Scan# 979

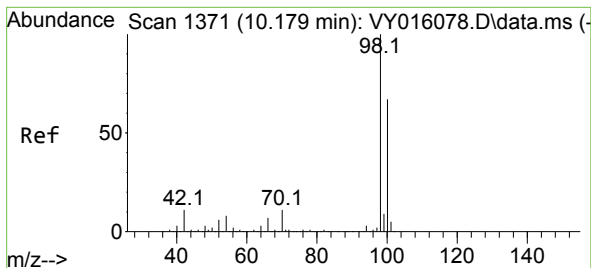
Delta R.T. -0.110 min

Lab File: VY016102.D

Acq: 27 Oct 2023 13:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 5880   |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 6.5   | 76.4  | 114.6# |
| 121      | 0.0   | 25.8  | 38.6#  |





#50

Toluene-d8

Concen: 51.372 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016102.D

Acq: 27 Oct 2023 13:59

Instrument :

MSVOA\_Y

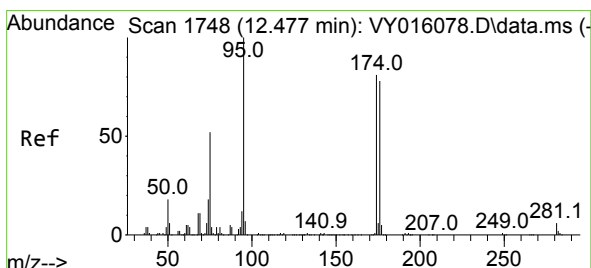
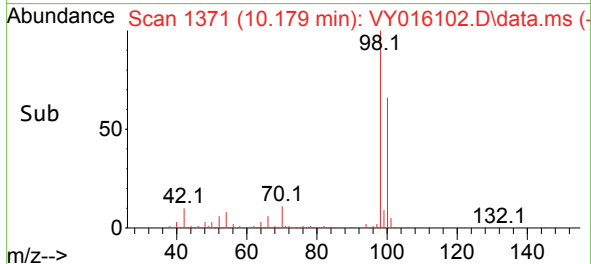
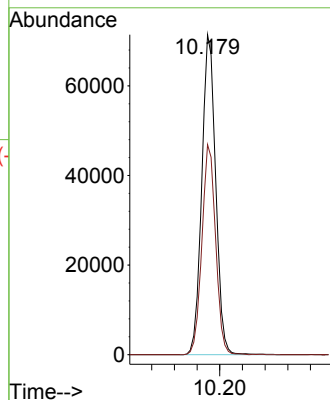
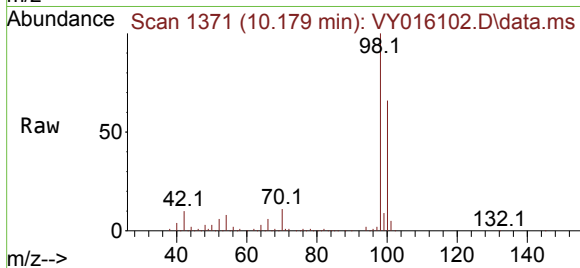
ClientSampleId :

Tgt Ion: 98 Resp: 121429

Ion Ratio Lower Upper

98 100

100 64.8 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 52.483 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY016102.D

Acq: 27 Oct 2023 13:59

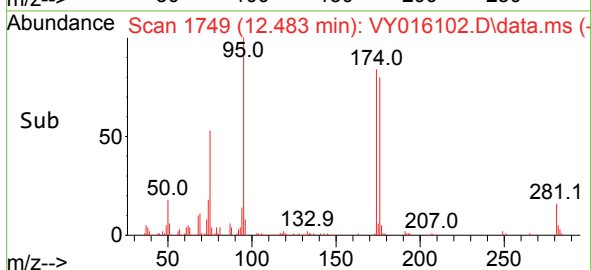
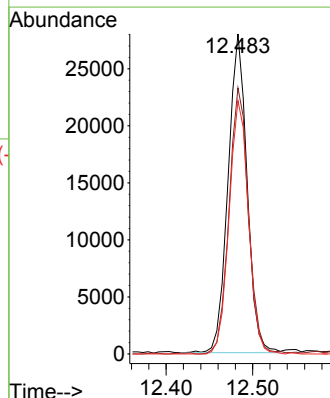
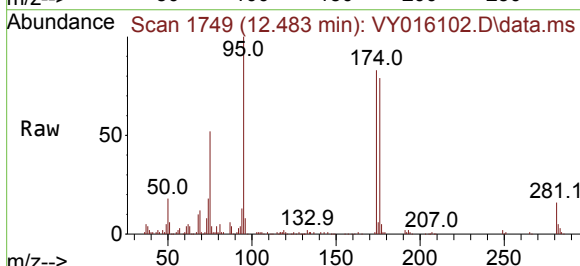
Tgt Ion: 95 Resp: 42554

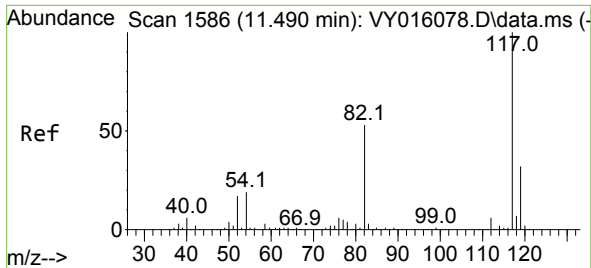
Ion Ratio Lower Upper

95 100

174 85.6 0.0 178.2

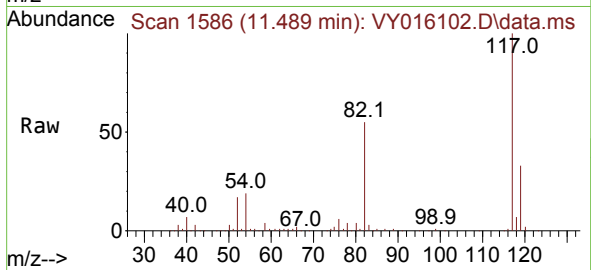
176 80.8 0.0 173.8



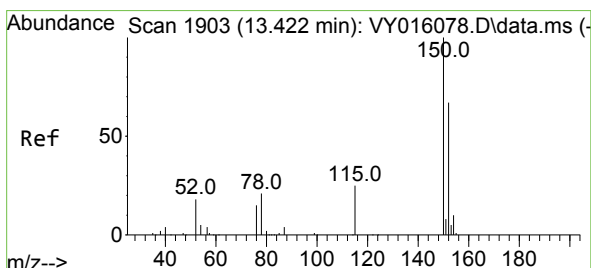
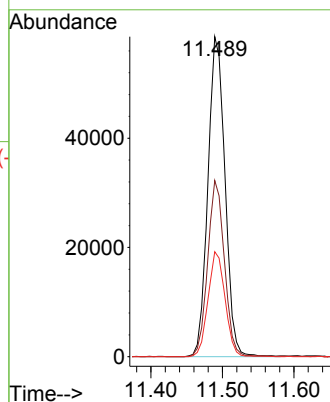
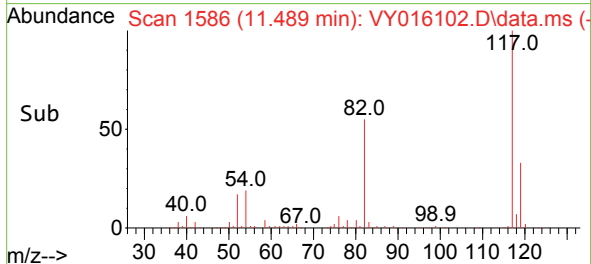


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY016102.D  
Acq: 27 Oct 2023 13:59

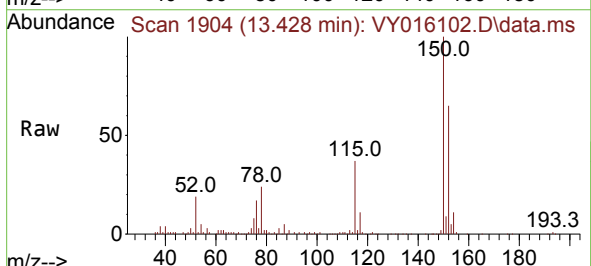
Instrument :  
MSVOA\_Y  
ClientSampleId :



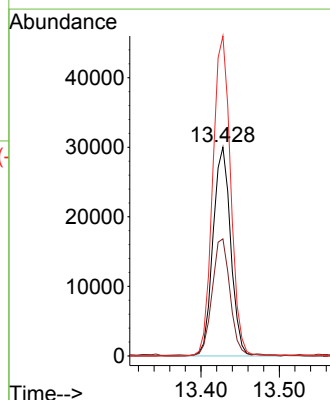
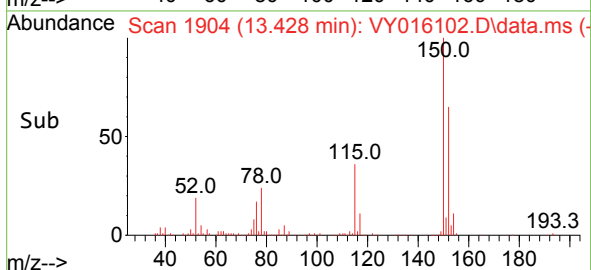
Tgt Ion:117 Resp: 97340  
Ion Ratio Lower Upper  
117 100  
82 55.1 43.4 65.0  
119 32.8 26.3 39.5

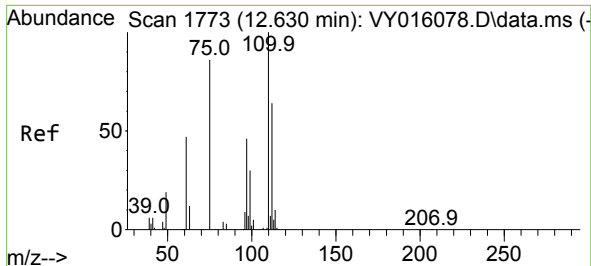


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY016102.D  
Acq: 27 Oct 2023 13:59



Tgt Ion:152 Resp: 47054  
Ion Ratio Lower Upper  
152 100  
115 55.9 28.8 86.5  
150 154.8 0.0 348.8

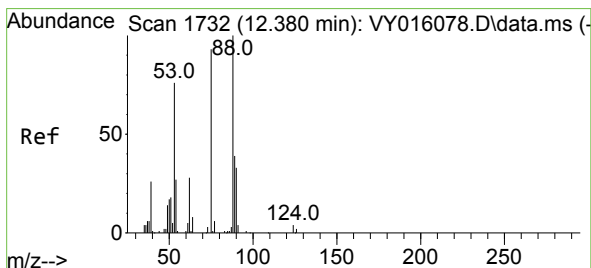
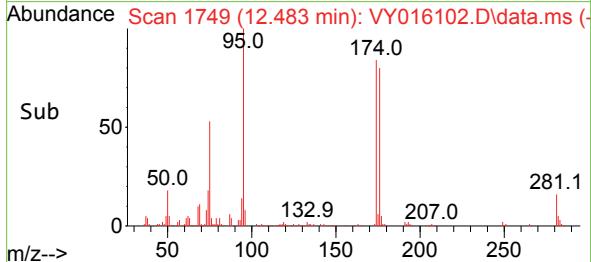
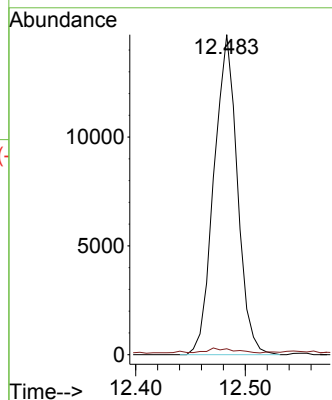
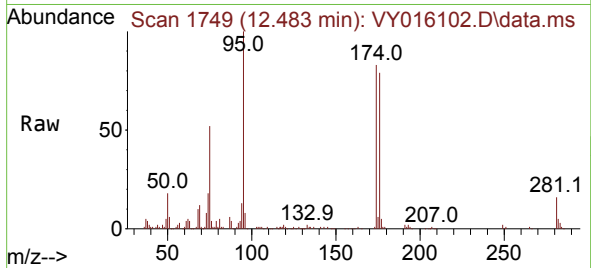




#76  
1,2,3-Trichloropropane  
Concen: 45.431 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.147 min  
Lab File: VY016102.D  
Acq: 27 Oct 2023 13:59

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 21825  
Ion Ratio Lower Upper  
75 100  
77 2.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 98.726 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY016102.D  
Acq: 27 Oct 2023 13:59

Tgt Ion: 75 Resp: 21825  
Ion Ratio Lower Upper  
75 100  
53 0.9 77.8 116.8#  
89 0.5 37.4 56.0#

